

AFX-19D5001

Two-Channel Transmitter Featuring Stereo RCA Line-in, Two S/PDIF Inputs, Built-in Dolby Digital 5.1 Surround Sound and Dolby Pro-Logic II Decoder



Product Description

Airfonix™ AFX-19D5001 is a wireless two-channel transmitter with built-in Dolby Digital 5.1 surround sound and Dolby Pro-Logic II decoding, bringing professional-quality wireless surround sound capability to the home theater environment. It features two S/PDIF coaxial/optical inputs and stereo RCA Line-in connectivity. It has three built-in 100W RMS digital amplifiers for powering front left, center and right channel speakers and a LFE channel line out for connection to an active subwoofer. The AFX-19D5001 is designed to mount neatly below a flat-panel HDTV thus eliminating the need for a separate bulky Dolby Digital decoder/receiver. The AFX-19D5001 provides wireless connectivity transmission from any audio source to rear-channel active or passive speakers mounted with an Airfonix receiver to create a wireless surround sound home theater experience with unparalleled sound quality.

Key Features

- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Dual-band 2.4/4.9-5.8 GHz operation
- Two S/PDIF coaxial/optical and stereo RCA line-in connectivity
- Built-in treble/bass control
- Built-in Dolby Digital 5.1 surround sound decoder and Dolby Pro-Logic II decoder
- Three built-in 100W RMS digital amplifiers
- Sleek, slim design wall-mounts neatly below flat panel HDTV
- Simultaneous streaming of high-quality digital audio to two full-range surround speakers
- IR remote control unit for all Dolby Digital audio functions
- Multi-function fluorescent display for clear visibility of key functions
- Perfect for home theater wireless conductivity transmission from any audio source to any active or passive Airfonix receiver
- S/PDIF compliant to IEC-958, AC-3 and DTS
- Worldwide AC 115V/230V switchable
- FCC and UL-CE approved
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)

World-wide License-Free Bands

MPHPT (Japan)	2400-2483 MHz	4900-5000 MHz
	5150-5250 MHz	
FCC (N. America)	2400-2483 MHz	5150-5250 MHz
	5725-5850 MHz	
CEPT (Europe)	2400-2483 MHz	5150-5250 MHz
CRSA (China)	2400-2483 MHz	5725-5850 MHz



AFX-19D5001 - Front View



Specifications

Features

Dimensions
Weight
Inputs

Performance

Width: 379mm, Height: 240mm, Depth: 75mm
3.5 Kg, 7.7 lbs
Stereo RCA line-in (2Vrms head room)
Coaxial/optical S/PDIF in (for TV)
Coaxial/optical S/PDIF in (for DVD)
AC Power in (115V/230V, 60/50Hz)
IR sensor in (internal IR sensor and external IR connector)
SMA connectors (for RF dual-band antennas)
L-Channel Speaker Out (100W, 4 ohms)
R-Channel Speaker Out (100W, 4 ohms)
C-Channel Speaker Out (100W, 4 ohms)
LFE-Channel VAR out (2Vrms)
S/N A-Weighted better than 65dB @ 1W output
Channel separation better than 60dB
Frequency response +/- 0.5dB 20 Hz to 20 KHz
THD less than 0.1%

Outputs

Audio

Wireless Transmitter Section RF Performance

Frequency of Operation License-free bands
Channel Spacing 20 MHz
Transmitter RF Output Power 20 dBm, typical
Range Up to 100m for line-of-sight applications

Wireless Audio Quality

Pulse-code Modulation (PCM) bits Up to 24-bits per channel for stereo, compatible with 16-bits stereo
Sampling rates Compatible with 32, 44.1, 48, 88.2, 96, 192 KHz sampling rates, transmission rate up to 48 KHz
Frequency offset Less than one audio sample, or 22 μ s, delay between links independent left and right receivers

Remote Control

For all Dolby Digital audio functions, pairing and volume controls

RF Latency

10 ms

Security

6 Bytes (48 bits) of IEEE 802.3-like MAC address

Operating Temperature

0 to +40° C

Certification

UL and CE Certified

Accessories

Dual-band antennas, stand

AFX-19D5001 - Top View



AFX-19D5001 - Bottom View



AFX-19D5001 - Remote Control



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